

GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: November 8, 2001, 13:08:26 ; Search time 5703.22 Seconds
(without alignments)
18957.777 Million cell updates/sec

Title: US-09-227-881-3

Perfect score: 6169

Sequence: 1 attctgttcagtttaccctc.....cttgtccctccatgtccag 6169

Scoring table:

OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 17159718 seqs, 8763200856 residues

Word size : 8

Total number of hits satisfying chosen parameters: 32373049

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

Database :

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SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	ID	Description
44:	6169	100.0	6169	US-08-938-669-3	Sequence 3, Appl1
45:	6169	100.0	6169	US-09-227-881-3	Sequence 3, Appl1
46:	6169	100.0	6169	US-09-306-828-3	Sequence 3, Appl1
47:	5271	85.4	5271	US-09-227-881-34	Sequence 34, Appl1
48:	5271	85.4	5271	US-09-306-828-34	Sequence 34, Appl1
49:	5271	85.4	5271	US-08-938-669-34	Sequence 34, Appl1
50:	5008	81.2	5300	US-08-938-669-34	Sequence 1, Appl1
51:	5008	81.2	5300	US-09-227-881-1	Sequence 1, Appl1
52:	5008	81.2	5300	US-09-306-828-1	Sequence 1, Appl1
53:	4476	72.6	5304	US-08-938-669-2	Sequence 2, Appl1
54:	4476	72.6	5304	US-09-227-881-2	Sequence 2, Appl1
55:	4476	72.6	5304	US-09-306-828-2	Sequence 2, Appl1
56:	2595	42.1	2800	US-09-056-285-1	Sequence 1, Appl1
57:	2595	42.1	2800	US-09-306-828-1	Sequence 1, Appl1
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42 330 5.3 1491 12 US-08-882-238-3 Sequence 3, Appli
43 283 4.6 283 17 US-09-308-828-37 Sequence 37, Appl
44 281 4.6 716 51 US-60-188-162-343 Sequence 343, Appl
45 280 4.5 280 14 US-09-075-126-3563 Sequence 3563, Ap

ALIGNMENTS

RESULT

1
US-08-938-669-3
; Sequence 3, Application US/08938669
; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
; TITLE OF INVENTION: PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASE
; NUMBER OF INVENTIONS: 5
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howrey & Simon
; STREET: 1299 Pennsylvania Avenue, N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004-2402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938.669
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/791,154
; FILING DATE: 28-JAN-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Sira, Serge
; REGISTRATION NUMBER: 39,445
; REFERENCE/DOCKET NUMBER: 07425-0034
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202 383-6857
; TELEFAX: 202 383-6610
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6169 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; US-08-938-669-3

Query Match 100.0%; Score 6169; DB 13; Length 6169;
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Matches 6169; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 61 TCCTATAACTGTATAGGCTCATTCGGATGTATGTCTTTGGCAGGATGATATAAATCA 120
QY 121 ggaagaagagbalccacagcttagccaagtgctcagagctgtctctctatcttaagta 180
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OY	2461	ctcaaaaggaaaggagcctccacgctccaaaggaaatctccaaagagtgaggagactgcagggag	2520
Db	2461	CTCAGAGGGAAAGGGGCTCCACGTCACAGAGAAATTCCAGAGAGTGGGGACTGCGAGGGAG	2520
OY	2521	tggggagcgtggggtctgagcggtgcgtgaaagcagaaagtgaaaggcgaagctgaa	2580
Db	2521	TGGGAGACCTGGGGCTGAGCGGGTCTGAAAGGCGAGAAAGTGAAGGCAAGGCTGAA	2580
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RESULT 2
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: Sequence 3, Application US/09227881
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/227,881
: CURRENT FILING DATE: 1998-01-11
: EARLIER APPLICATION NUMBER: US 08/938,669
: EARLIER FILING DATE: 1997-09-26
: NUMBER OF SEQ ID NOS: 36
: SOFTWARE: Microsoft Word 97
: SEQ ID NO: 3
: LENGTH: 6169
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-227-881-3

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Query Match	100.0%	Score 6169	DB 16	Length 6169
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RESULT 3
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: Sequence 3, Application US/09306828
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/306,828
: CURRENT FILING DATE: 1999-05-07
: EARLIER APPLICATION NUMBER: US 09/227,881
: EARLIER FILING DATE: 1999-01-11
: NUMBER OF SEQ ID NOS: 38
: SOFTWARE: Microsoft Word 97
: SEQ ID NO 3
: LENGTH: 6169
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-306-828-3

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: GENERAL INFORMATION:
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: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/227,881
: EARLIER FILING DATE: 1999-01-11
: EARLIER APPLICATION NUMBER: US 08/938,669
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[illegible]

RESULTS

ME-09-306-938-3A

US-09-306-828-34

; sequence 34, AppliCe

; GENERAL INFORMATION:

; APPLICANT: Nguyen, Thai D.

APPLICANT: Polansky,

APPLICANT: Chen, Pu

APPLICANT: Chen Hui

1. TITLE OF INVENTION: Nuclear Acids And Methods For the Diseases Processes

TITLE OF INVENTION: NUCLEIC ACIDS, KITS,
METHODS OF IDENTIFICATION AND
ANALYSIS OF NUCLEIC ACIDS

CURRENT APPLICATION NUMBER: US/09/306,828

; CURRENT FILING DATE: 1999-05-07

; EARLIER APPLICATION NUMBER: US

EARLIER FILING DATE: 1999-01-11

NUMBER OF SEO ID NOS: 38

SOFTWARE: Microsoft Word 97

SEC ID NO 34

SEQ ID NO 34

T/7C : H.I. 9NET ;

TYPE: DNA

; ORGANISM: Homo sapiens

US-09-306-828-34

Query Match 854

guely malch
82:4

Best Local Similarity 100.0%: Pred. No. 0;					
Matches 5271; Conservative 0; Mismatches 0; Indels 0; Gaps 0;					
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RESULT 6
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: Sequence 1, Application US/08938669
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: TITLE OF INVENTION: METHODS FOR THE DIAGNOSIS,
: PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASE
: TITLE OF INVENTION: S

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? NUMBER OF SEQUENCES: 32
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Howrey & Simon
? STREET: 1299 Pennsylvania Avenue, N.W.
? CITY: Washington
? STATE: DC
? COUNTRY: USA
? ZIP: 20004-2402
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? OPERATING SYSTEM: IBM compatible
? SOFTWARE: FASTSEQ for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/938,669
? FILING DATE:
? CLASSIFICATION: 435
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/791,154
? FILING DATE: 28-JAN-1997
? ATTORNEY/AGENT INFORMATION:
? NAME: Sira, Serge
? REGISTRATION NUMBER: 39,445
? REFERENCE/DOCKET NUMBER: 07425-0034
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 202 383-6857
? TELEFAX: 202 383-6610
? TELEX:
? INFORMATION FOR SEQ ID NO: 1:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 5300 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: single
? TOPOLOGY: linear
US-08-938-669-1

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Query Match      81.2%; Score 5008; DB 13; Length 5300;
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; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
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; EARLIER APPLICATION NUMBER: US 08/938,669
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      ; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis
      ; CURRENT APPLICATION NUMBER: US/09/306,828
      ; CURRENT FILING DATE: 1999-05-07
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Oy	3721	ggagttagcagcacaaggccaatcccgcttctctttaaaggaagaagaacattcctaag	3780
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Oy	3960	aagaaatagaatcttctagagcaaacgtgttcttccacatctggaagctgagctgcccagg	4019
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Db	4020	cagcttggaataatcttaactcaacagtaatggaacactggtgtgataatcaacaataaag	4079
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[illegible]

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RESULT          9
US-08-938-669-2
; Sequence 2, Application US/08938669
; GENERAL INFORMATION:

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1  APPLICANT:  Nguyen, Thad D.
2  APPLICANT:  Polansky, Jon R.
3  TITLE OF INVENTION:  METHODS FOR THE DIAGNOSIS,
4  TITLE OF INVENTION:  PROGNOSIS AND TREATMENT OF GLAUCOMA AND RELATED DISEASE
5  TITLE OF INVENTION:  S
6  NUMBER OF SEQUENCES:  32
7  CORRESPONDENCE ADDRESS:
8  ADDRESSEE:  Howrey & Simon
9  STREET:  1299 Pennsylvania Avenue, N.W.
10 CITY:  Washington
11 STATE:  DC
12 COUNTRY:  USA
13 ZIP:  20004-2402
14 COMPUTER READABLE FORM:
15 MEDIUM TYPE:  Diskette
16 COMPUTER:  IBM Compatible
17 OPERATING SYSTEM:  DOS
18 SOFTWARE:  FASTSEQ for Windows Version 2.0
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER:  US/08/938,669
21 FILING DATE:
22 CLASSIFICATION:  435
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER:  08/791,154
25 FILING DATE:  28-JAN-1997
26 ATTORNEY/AGENT INFORMATION:
27 NAME:  Sira, Serge
28 REGISTRATION NUMBER:  39,445
29 REFERENCE/DOCKET NUMBER:  07425-0034
30 TELECOMMUNICATION INFORMATION:
31 TELEPHONE:  202 383-6857
32 TELEFAX:  202 383-6610
33 TELEX:
34 INFORMATION FOR SEQ ID NO:  2:
35 SEQUENCE CHARACTERISTICS:
36 LENGTH:  5304 base pairs
37 TYPE:  nucleic acid
38 STRANDEDNESS:  single
39 TOPOLOGY:  linear
40
41 US-08-938-669-2

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			Indels	2
			Gaps	2
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Db	1 ATCTTGTTCACATTACCCAGAGCGTATTATGAATAATGAAATGAACTATGGAAAG	60		
OY	61 tccataaaactgtatagccctccatctcgatglatgctcttggcagatgataaagaatca	120		
Db	61 TCCCTAAACGTATAGCCTCCATTCGGATGTATCTCTTGGCAGAGATGATAAACATCA	120		
OY	121 ggaagaagaagatcacacgttagccaagtgtgcaggcctgctgcctctattttaatga	180		
Db	121 GGAAGAAGAGATCACCGATTAGCCAAAGTGTCCAGAGCTGTGCTCTCTTATTATTAAGTA	180		
OY	181 cagaatgttgcctccagaaagctatctcttcagagaacatacaatccaaatgylaaatc	240		
Db	181 CAGATGTGCTCTCGACAGAACGCTATTCTTTCAGGAACATCATCATCAATATGGTAATTC	240		
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OY	301 gagagcaaatgaatgaaaaaaataaacttccccttgattttaaattcagaagaaaaatg	360		
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RESULT 10
US-09-227-881-2
: Sequence 2, Application US/09227881
: GENERAL INFORMATION:
: APPLICANT: Nguyen, Thai D.
: APPLICANT: Polansky, Jon R.
: APPLICANT: Chen, Pu
: APPLICANT: Chen, Hua
: TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis And
: CURRENT APPLICATION NUMBER: US/09/227,881
: CURRENT FILING DATE: 1999-01-11
: EARLIER APPLICATION NUMBER: US 08/938,669
: EARLIER FILING DATE: 1997-09-26
: NUMBER OF SEQ ID NOS: 36
: SOFTWARE: Microsoft Word 97
: SEQ ID NO 2
: LENGTH: 5304
: TYPE: DNA
: ORGANISM: Homo sapiens
: US-09-227-881-2

Query Match 72.6%, Score 4476; DB 16; Length 5304;
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Matches 5016; Conservative 0; Mismatches 6; Indels 2; Gaps 2;

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; GENERAL INFORMATION:
; APPLICANT: Nguyen, Thai D.
; APPLICANT: Polansky, Jon R.
; APPLICANT: Chen, Pu
; APPLICANT: Chen, Hua
; TITLE OF INVENTION: Nucleic Acids, Kits, And Methods For The Diagnosis, Prognosis
; CURRENT APPLICATION NUMBER: US/09/306,828
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; EARLIER APPLICATION NUMBER: US 09/227,881
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Dh	4560	tatatatttgaaaaaatcttctctgagaaaggttccccaagatttcaacaaatgaagttcttg	4619
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Dh	4620	gcatgacacacacagagtaagaactgtatctagaggtcaaacatltgactgtgacctgag	4679
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Dh	4680	atgcaagactgaataatagaagaattctcccaagaatacagaattgttttaaaagctagaggt	4739
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Oy	4800	ccttgctgtctgagctgagctgtatatttctctgtctgctcgtcagctcttaaaagactgtc	4859
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QY      4980 gtgtcaagtgtagtcaagtcgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt    5023
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; GENERAL INFORMATION:
; APPLICANT: Morris, Macdonald
; APPLICANT: Lal, Preeti
; APPLICANT: Deep, Dinsh
; TITLE OF INVENTION: Method for the Identification of Sequence Polymorphisms Using
; FILE REFERENCE: GX-0007 P
; CURRENT APPLICATION NUMBER: US/60/172,360
; CURRENT FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 29838
; SOFTWARE: PERL Program
; SEQ ID NO 23886
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; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: unsure
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US-60-172-360-23886

Query Match           42.1%; Score 2595; DB 50; Length 7369;
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Matches 2595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY	2763	aattgggaataaagaagaagcggagctcatcttctctgagccgttaattctcaagaaagaatgtgactg	282
Db	2763	aattgggaataaagaagaagcggagctcatcttctctgagccgttaattctcaagaaagaatgtgactg	282
QY	2823	gagctcttctcttcatatctctctctgggccaactcatcagcccttggtgtgaactgtgcttatg	288
Db	2823	gagctcttctcttcatatctctctctgggccaactcatcagcccttggtgtgaactgtgcttatg	288
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QY	3003	aaagaacccctgtcagctctcgtgtgtctgtgaaacaattccctgtgattctctgtgtgaagggg	306
Db	3003	aaagaacccctgtcagctctcgtgtgtgtctgtgaaacaattccctgtgattctctgtgtgaagggg	306

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Qy 3063 atgttgagagggagagagcagagcctgagcagctgagccacagggaggtggagggg 3122
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Qy 3123 acaggaagcagagcagaagcctgggtgctccacacagctccatcagctcagactcca 3182
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Db 3183 ggaaccgagagcacaatgcttcagagaaagctcaatgaaacacagccactctcttc 3242
Qy 3243 cctaagacataagacatgcatcttcacaaataacacaaagaaatgacagagacactggtg 3302
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Db 3243 cctaagacataagacatgcatcttcacaaataacacaaagaaatgacagagacactggtg 3302
Qy 3243 cctaagacataagacatgcatcttcacaaataacacaaagaaatgacagagacactggtg 3302
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Qy 3303 taagcttgcctgagcatcacaacacagccagagcaagtggaaatgacagagatgct 3362
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Db 3303 taagcttgcctgagcatcacaacacagccagagcaagtggaaatgacagagatgct 3362
Qy 3363 aaactttcacccctgacacagacacccacagcagctcagcagtgactgctgacagacagag 3422
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Db 3423 tgacctgcagcagcagggagagagaaagagagagatgctgataagcagaagagac 3482
Qy 3483 agattcattcaagggcagtgaggaaatgacacagagatagctccagctgacgtggt 3542
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Db 3483 agattcattcaagggcagtgaggaaatgacacagagatagctccagctgacgtggt 3542
Qy 3543 tcttgagggcagggcctatattgttgaggagaaataacagttcaaggagagcggagagcc 3602
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Db 3543 tcttgagggcagggcctatattgttgaggagaaataacagttcaaggagagcggagagcc 3602
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Db 3963 aatagaatctttagagcacaatctgcttctccacacatcctggagggagcctgcccggggag 4022
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Qy 4143 attgctatctgcat 4157

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Db 4143 attgctatctgcat 4157
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RESULT 13
US-09-285-1
; Sequence 1, Application US/09056285
; GENERAL INFORMATION:
; APPLICANT: Stone, Edwin M.
; APPLICANT: Sheffield, Val C.
; APPLICANT: Alward, Wallace L.M.
; APPLICANT: Fingert, John
; TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/056,285
; FILING DATE: Concurrently Herewith
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: UIA-010.28
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2800 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-056-285-1

Query Match 37.0%; Score 2285; DB 14; Length 2800;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2575; Conservative 0; Mismatches 1; Indels 2; Gaps 2;

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Qy 3510 accaagagattatagtcacagctgataccctgggtctcctaagagcagggcctatctggtgg 3569
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Db 79 ACCACAGGAGATTATAGTCCACAGTATCTCTGGCTTCTAGAGAGCAGGCTATATATTGTGGGG 138

Qy 3570 ggaaaaaatcagctcaaggaagctcgaggaacccgattctcctaatactatatttctcctt 3629
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Db 139 GGAATAAATCAGTTCAAGGAAGTCGGAGACACGATTTCTAATACATATATTTTCCCTTT 198

Qy 3630 acaagctgagtaattctgagcagaatcacaagctagtaactgaggtctgtaaaatctactag 3689
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Db 199 ACAAGCTGAGTAATTCTGAGCAAGTCACAGTACAGTACGAGCTGTAAAGATTACTTAG 258

Qy 3690 ttctccttattagaaactcttctcctctgctggaggttagcagcacaagggcaatcccgctt 3749
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Db 259 TTTCTCCTTATTAGGAACCTTTTCTCTCTGTGAGTTTAGACGACCAAGGCAATCCCGCTT 318

Qy 3750 tctttaaaggaagaaacattcctaagagtaaaagccaaacagatctcaagccttaggtct 3809
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Oy	3810	tcgtcacatcattbgtatctgtcttcttggaaaaacatctccagacatggttactactcgtatcca	3868
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Oy	3870	gaaaaatgagacatgataccctctgttcaagcgttataacaaaccccagctgttaactgtccca	3929
Db	439	gaaatattgagactagatacccttttggttcagctgtaaacaaaccccatTTTtAAATGTTCTCA	498
Oy	3930	agctcaagccttaactgcagaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaacaaac	3988
Db	499	actttcagcctttAACGCGAGAAACCAATCAATTAAGAATTAAAGATCTTTTACGACAACTGCT	558
Oy	3989	ttctccacacatctggagatggatctcgccagagcagcttggaatatcttacttccacagatc	4048
Db	559	TTTCTCAC-TCCTGGAGGGAGctCGCAGGGCAGTTTGGAAATATTTCCTTACCAAGAT	617
Oy	4049	tgacacatctgtctgtgtaataacaaacaaagttctgccaaaggaacaaacaaacaaacaaac	4108
Db	618	tgacacatctgtgttggtatttAACCAATAAAGTTGCTCAAGGCATCAATTTTCAATG	677
Oy	4109	gcttaaaatctactctcgtacagcttctgttatacttacttggcatctgcacatctgtcttctg	4168
Db	678	GGTTAAAGTTACTCTTCACAGATTTTGGTAATTTATTTGGCTTTTGCCATTGCTTTTGT	737
Oy	4169	ttcttcctcttgggtcttataaagttaagaagagatctataacctcaagctccagaagacc	4228
Db	738	TTTTTCTCTTTGGGTTATTATATGTAAAGCAGGAGATTATTAACTTCAGCTCAGAAACC	797
Oy	4229	tgatgaattgaaatgaaagaaaaaatctacatcttctgtcttaccacctctcaactaaatcta	4288
Db	798	TGTCAATTTTGAATGAGGAAAAAATTTACATTTTGTTTTACCACTTCMACTAAATTTA	857
Oy	4289	acatttatctccatctggaaatagaagcctataacctcaaaatggttaataacagtaacctgtga	4348
Db	858	ACATTTTATTTCAATTTGGCAATGAGCCATTAACCTCAAACTGGTAAATACAGACTCTGGA	917
Oy	4349	cttctgtcaatcccaatagaacaaacacagacatcttaatacatactcaagctgtctgaagta	4408
Db	918	TTTTTGTCATTTACCAATGAAGAAATCACAGACATTTTATACATATTTCAGATTGTCAGATA	977
Oy	4409	cgtctgtaagtgaaatcttctactcaaaaactacttgaaatagaacctcctgctgtaact	4468
Db	978	CGTTGTAAAGTCAAAATTTTATTACTCAAACTACTTTGGAATTTAGACCTCGCTGGATCT	1037
Oy	4469	tgcttcttaacaatactaaataaagaatcttaaaatcttgaatcttggataatacatattcca	4528
Db	1038	TGTTTTTAACTATTATTAAACAATGTTTTTAAATTTTGTATTTTGAATTAACATATTTCAT	1097
Oy	4539	ctatcaatctgtcttcctcttgtaatctatctatctatactatctgaaaacatcttctgagaag	4588
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Oy	4829	ctctgtccctcgtacagctctttaaagactctgttggatctccacagctccctagaatgaatgctgt	4888
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QY	4949	ccctctctgaatctcagacacacacgaatagccctctgctgaatctctctgtaactctctg	5008
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QY	5009	tgt	5068
Db	1578	TGT	1637
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Db	1698	AAGAAATCTTCTGTGACACGCTGAAGGCAACCCCTCTGTGACAGCCCAACCAAGCTCACG	1757
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QY	5309	ccagaggaagagcttaccacaaagccctctgaatgaggtctctctctgtgaactctctgaact	5368
Db	1878	CCAGAGGAAGCTCTACCAACCTCTGCAATGAGAGTCTTCTGTGACCTTCTCTCAGCTT	1937
QY	5369	tgggctctgaagctgcacagctctccagctctgctctctctctctctctctctctctctctg	5428
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QY	5429	ggcgaaggaagcttcaagctcgaaggaaggccaaatgaaccaagttgtgcgaatgcgaataacct	5488
Db	1998	GGCCAGGACACTCTACGCTCAGGAAGGCAATGCAACGATGGCCATGCCAGTATACCTT	2057
QY	5489	cagttgtgcagctcccaatgaatcccaagctctgcacagagcaagacagagccatgtcaagcat	5548
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QY	5609	actgaagctccctctgaagagagctctcccaacaaatgtgaactctgaagcaagctctgcagaagccca	5668
Db	2178	ACTGAGCTCCTGTGAGAGCTCTCTCCACCAATTTGACTTTGGACCAAGGCTGCCAAGGCCCA	2237
QY	5669	ggaagaccagagaggggtctgaagagggagctctggcacacctgaagtcgagagcgagagccagct	5728
Db	2238	GGAGAACCCAGAGAGGGGCTGTGAGAGGGAGCTGGGCAACCTGAGGGCGGAGCGGAGCAGCT	2297
QY	5729	ggaacacccaaaccaaagagatgttgaagagctctgccaagcaactctctcgagacaaagtcaat	5788
Db	2298	GGAAACCCAAACCAAGAGAGTTGGAGACTCTCTTACAGCAACCTCTCTCCAGCAAGTACTAGT	2357
QY	5789	tctgtgaagaagaagaagagagacctaagagcaagaataatagaaatctgcgcagagaggtctga	5848
Db	2358	TCTGTGAGGAAGAGAAAGAGGACTTAAGGCCAATAAATATGAAATCTGGCCAGGAGGTTTGA	2417
QY	5849	aagcagcagcagaggaagctagcaagagcttgaagaggggcagttgtccccaagaccgagacac	5908
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QY	5909	tgtcctggagctgt	5968
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RESULT 14
US-09-056-285A-1
: Sequence 1, Application US/09056285A
: GENERAL INFORMATION:
: APPLICANT: Stone, Edwin M.
: Sheffield, Val C.
: Alward, Wallace L.M.
: Fingert, John
: TITLE OF INVENTION: GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
: NUMBER OF SEQUENCES: 43
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: FOLEY, HOAG & ELIOT LLP
: STREET: One Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109-2170
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/056,285A
: FILING DATE: 07-Apr-1998
: ATTORNEY/AGENT INFORMATION:
: NAME: Arnold, Beth E.
: REGISTRATION NUMBER: 35,430
: REFERENCE/DOCKET NUMBER: UIA-010,28
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617-832-7000
: TELEFAX: 617-832-7000
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2800 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-056-285A-1
Query Match 37.0%; Score 2285; DB 14; Length 2800;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2575; Conservative 0; Mismatches 1; Indels 2; Gaps 2;
OY 3450 aaaaagagagatagatgtagcaagaagaagacagatcattcaaggagcagtggaatcg 3509
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Db 19 AAAAGAGAGGAGTAGTATGACCAAGAAAGACGATTTCATTCAAGGGCAGTGGGAATTG 78
OY 3510 accaagaggatattagtcacgtagatccctggttcttagaggagcagggcctatatctgtggg 3559
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Db 79 ACACAGGGGATTATAGCCAGTCGATCCTGGTCTAGGAGCGCGGCTATATTGTGGGG 138
OY 3570 gggaaaaatcagttcaaggaagtcgagagacagatcttctaatactatatcttctctt 3629
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Db 139 GGAAGAAATAGCTTCAAGGGAAGTCGGGAGACCTGATTTCTAATACATATTTTTCCTTT 198
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Db 319 TCTTTTAACAGAAAGAAACATTCCTTAAGAGTAAAGCCAAACAGATTCAAGCCTAGGCTC 378
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Db 1038 TGTTTAAACATATTAAATAAACATGTTTAAATTTTGATTTTGAATACATATTCA 1097
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Db 1398 TCTGTCCCTGTACGTCTTAAAGAGCTTGTGTGATCTCCAGTTCCTAGACATTAATGCTCG 1457

[illegible]

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QY 5969 gtcacgacggtgatgtatgctcgtgtacgtcctgctcacaggcgctcagcctccctgc 6026
Db 2538 gtttcacgacggtgatgtatgctcgtgtacgtcctgctcacaggcgctcagcctccctgc 2595

RESULT 15
US-09-366-952-1
: Sequence 1, Application US/09366952
: GENERAL INFORMATION:
: APPLICANT: Stone, Edwin M.
: APPLICANT: Sheffield, Val C.
: APPLICANT: Alward, Wallace L.M.
: APPLICANT: Fingert, John
: TITLE OF INVENTION: 'GLAUCOMA THERAPEUTICS AND DIAGNOSTICS
: NUMBER OF SEQUENCES: 43
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: FOLEY, HOAG & ELIOT LLP
: STREET: One Post Office Square
: CITY: Boston
: STATE: MA
: COUNTRY: USA
: ZIP: 02109-2170
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/366,952
: FILING DATE: Concurrently Herewith
: ATTORNEY/AGENT INFORMATION:
: NAME: Arnold, Beth E.
: REGISTRATION NUMBER: 35,430
: REFERENCE/DOCKET NUMBER: UIA-010,28
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 617-832-1000
: TELEFAX: 617-832-7000
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 2800 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
US-09-366-952-1

Query Match 37.0%; Score 2285; DB 17; Length 2800;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2575; Conservative 0; Mismatches 1; Indels 2; Gaps 2

QY 3450 aaaaagaagggtgaatgtaatagagcaagaagacagatcatcatcaaggcgagtcggagatc 3509
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QY 3750 tctttaaaggaagaacaatctcctaaagtaaaagccaacaagattcaagccttagtctt 3809

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Oy	4229	tgtgaatttgaaatgaagaaataatctacatttcttcttaacacctctaaactaattta	4288
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Oy	5489	cagctgtgcagctcccaatgatactcagctgcacagagcagaagcccaatgtcat	5548
Db	2058	CAGTGTGGCAGTCCCATATGATCCAGCTGTGCGAGAGGACGAGGCAATGTCACTAT	2117
Oy	5549	ccataacttacagagagcagcagcaaccacagctctgaaccttgagagccacaaagctcg	5608
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Fri Nov 9 08:40:38 2001

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